

REMARKS

Applicant respectfully requests reconsideration of the present U.S. patent application. Claim 14 has been rejected under 35 U.S.C. § 112, second paragraph. Claims 1-5, 7 and 11-19 and 21 stand rejected under 35 U.S.C. § 102. Claims 6 and 8-10 have been objected to, but would be allowable if rewritten in independent form. Claims 1, 14, 16 and 21 have been amended. Claim 15 has been canceled. Therefore, claims 1-14, 16-19 and 21 are pending.

Objection to the Specification

The Examiner objected to the title as being non-descriptive. Applicant has changed the title so that it is more descriptive.

Claim Rejections - 35 U.S.C. § 112

Claim 14 was rejected under 35 U.S.C. § 112, second paragraph, because the term “the second diode” lacked clear antecedent basis. Applicant has amended claim 14 to depend from claim 4, rather than claim 3, so that the antecedent basis is clear. Applicant respectfully submits that the rejection has been overcome. Applicant therefore respectfully requests that the Examiner withdraw the rejection of claim 14 under 35 U.S.C. § 112, second paragraph.

Claim Rejections - 35 U.S.C. § 102

Rejections of Claims 1-5, 7, 11-19 and 21 based on *Zametzer*

Claims 1-5, 7 and 11-19 and 21 were rejected under 35 U.S.C. § 102 as being anticipated by U.S. Patent No. 5,220,679 issued to Zametzer (*Zametzer*). Claim 15 has

been canceled. Therefore, the rejection of claim 15 is moot. For at least the reasons set forth below, Applicant submits that claims 1-5, 7, 11-14, 16-19 and 21 are not anticipated by *Zametzer*.

Claim 1 recites the following:

a boost circuit configured to receive the RF input signal and the first DC supply voltage and, in response, provide a DC output voltage that allows the RF input signal to be routed through the switch element, wherein the DC output voltage is greater than the first DC supply voltage, and wherein the first DC supply voltage is greater than zero volts.

Claims 16 and 21 recite similar limitations.

Zametzer discloses a transmitting-receiving diplexer that includes an RF switch in a receiving channel, and a rectifier. See Abstract; col. 4, lines 28-32. In a transmit mode, the rectifier receives a transmission signal and supplies a blocking voltage to the RF switch, so that the transmission signal does not flow through the RF switch. See col. 3, lines 51-55; col. 5, lines 57-64. In a receiving mode, the blocking voltage is lowered to ground to allow the transmission signal to flow through the RF switch. See Fig. 2; col. 3, lines 55-59; col. 5, line 64 - col. 6, line 7. *Zametzer* does not disclose a boost circuit configured to receive an RF input signal and the first DC supply voltage and, in response, provide a DC output voltage that allows the RF input signal to be routed through the switch element, wherein the DC output voltage is greater than the first DC supply voltage, and wherein the first DC supply voltage is greater than zero volts. Thus, *Zametzer* fails to disclose at least one limitation of claims 1, 16 and 21. Consequently, claims 1, 16 and 21 are not anticipated by *Zametzer*. Applicant therefore respectfully requests that the Examiner withdraw the rejections of claims 1, 16 and 21 under 35 U.S.C. § 102.

Claims 2-5, 7 and 11-14 depend from claim 1. Claims 17-19 depend from claim 16. Because dependent claims include the limitations of the claims from which they depend, Applicant submits that claims 2-5, 7, 11-14 and 17-19 are not anticipated by *Zametzer* for at least the reasons set forth above. Applicant therefore respectfully requests that the Examiner withdraw the rejections of claims 2-5, 7, 11-14 and 17-19 under 35 U.S.C. § 102.

Allowable Subject Matter

Claims 6 and 8-10 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. As explained above, claim 1, as amended, is not anticipated by *Zametzer*. Consequently, claim 1 is in condition for allowance.

Claims 6 and 8-10 depend from claim 1. Dependent claims include the limitations of the claims from which they depend. Therefore, Applicant submits that although not rewritten in independent form to include all of the limitations of the base claim and any intervening claims, claims 6 and 8-10 are in condition for allowance.

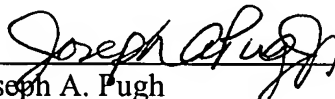
////////////////////////////////////

CONCLUSION

For at least the foregoing reasons, Applicant submits that the rejections have been overcome. Therefore, claims 1-14, 16-19 and 21 are in condition for allowance and such action is respectfully solicited. The Examiner is respectfully requested to contact the undersigned by telephone if such contact would further the examination of the present application.

Respectfully submitted,

Dated: March 20, 2007



Joseph A. Pugh
Reg. No. 52,137

TriQuint Semiconductor, Inc.
2300 NE Brookwood Parkway
Hillsboro, OR 97124
(503) 615-9616